

# Industrial Revolution Worldwide Impact: Documents and Analysis Questions

## A. Student Handout 1.2—Iron Production

Date CE	Country or Region	Total Iron Production (tons per year)
1078	China	125,000
1500	Europe (excluding Russia)	60,000
1740	Britain	17,000
1750	China	200,000
1750	India	200,000
1750	Europe (including Britain, excluding Russia)	200,000
1793	Russia	202,000
1806	Europe (including Britain, excluding Russia)	700,000
1806	Britain	248,000
1806	France	200,000

Source: Arnold Pacey, *Technology in World Civilization* (Cambridge, MA: MIT Press, 1990), 115.

What patterns do you notice about how different countries (and world regions) changed in terms of iron production as a result of the Industrial Revolution?

## B. Worldwide Manufacturing Output

### Snapshot The Industrial Revolution and the Global Divide<sup>22</sup>

During the nineteenth century, the Industrial Revolution generated an enormous and unprecedented economic division in the world, as measured by the share of manufacturing output. What patterns can you see in this table?

SHARE OF TOTAL WORLD MANUFACTURING OUTPUT (PERCENT)

	1750	1800	1860	1880	1900
Europe as a Whole	23.2	28.1	53.2	61.3	62.0
UNITED KINGDOM	1.9	4.3	19.9	22.9	18.5
FRANCE	4.0	4.2	7.9	7.8	6.8
GERMANY	2.9	3.5	4.9	8.5	13.2
RUSSIA	5.0	5.6	7.0	7.6	8.8
United States	0.1	0.8	7.2	14.7	23.6
Japan	3.8	3.5	2.6	2.4	2.4
The Rest of the World	73.0	67.7	36.6	20.9	11.0
CHINA	32.8	33.3	19.7	12.5	6.2
SOUTH ASIA (INDIA/PAKISTAN)	24.5	19.7	8.6	2.8	1.7

Source: Strayer, 548

Which parts of the world increased their share of worldwide manufacturing output?

Which parts of the world saw their share decrease?

***Student Handout 1.3—Textile Production and Trade in India and Great Britain, 1760-1830***

C.

Date CE	Raw cotton consumption in Great Britain (millions of pounds)	Exports of cotton textiles from Great Britain (British pounds sterling)
1760-69	3.5	227
1820-29	166.5	25,605

How did Britain's economy change during the Industrial Revolution?

D.

Date CE	British imports of cotton piece goods from India (in British pounds sterling)	British exports of cotton textiles (in British pounds sterling)
1772-74	697	221
1824-26	363	17,375

How did Britain's trade relationship with India change during the Industrial Revolution?

Source: Stephen Broadberry and Bishnupriya Gupta, "Cotton Textiles and the Great Divergence: Lancashire, India, and Shifting Competitive Advantage, 1600-1850," paper presented at "The Rise, Organization, and Institutional Framework of Factor Markets," Utrecht, Netherlands, June 23-25, 2005, 32-3. Available at: <http://www.iisg.nl/hpw/intro.php>